



S1 Figure. Surface expression of pre-M1 mutations (related to Figure-3) The surface proteins of HEK293 cells transiently expressing wild type or mutated human NMDA receptors were labeled with biotin and pulled down with avidin-conjugated beads. The total and surface protein fractions were run on SDS-PAGE gels and immunoblotted for GluN1, GluN2A or GluN2B, transferrin receptor (TfR), and tubulin. Representative western blots are shown for HEK cells expressing GluN1/GluN2A and GluN1-D552E/GluN2A (**A**), GluN1/GluN2A and GluN1/GluN2A-A548T (**B**), GluN1/GluN2A and GluN1/GluN2A-P552R (**C**), GluN1/GluN2A and GluN1/GluN2A-P552L (**D**), GluN1/GluN2B and GluN1-D552E/GluN2B (**E**), and GluN1/GluN2B and GluN1/GluN2B-P553L (**F**).